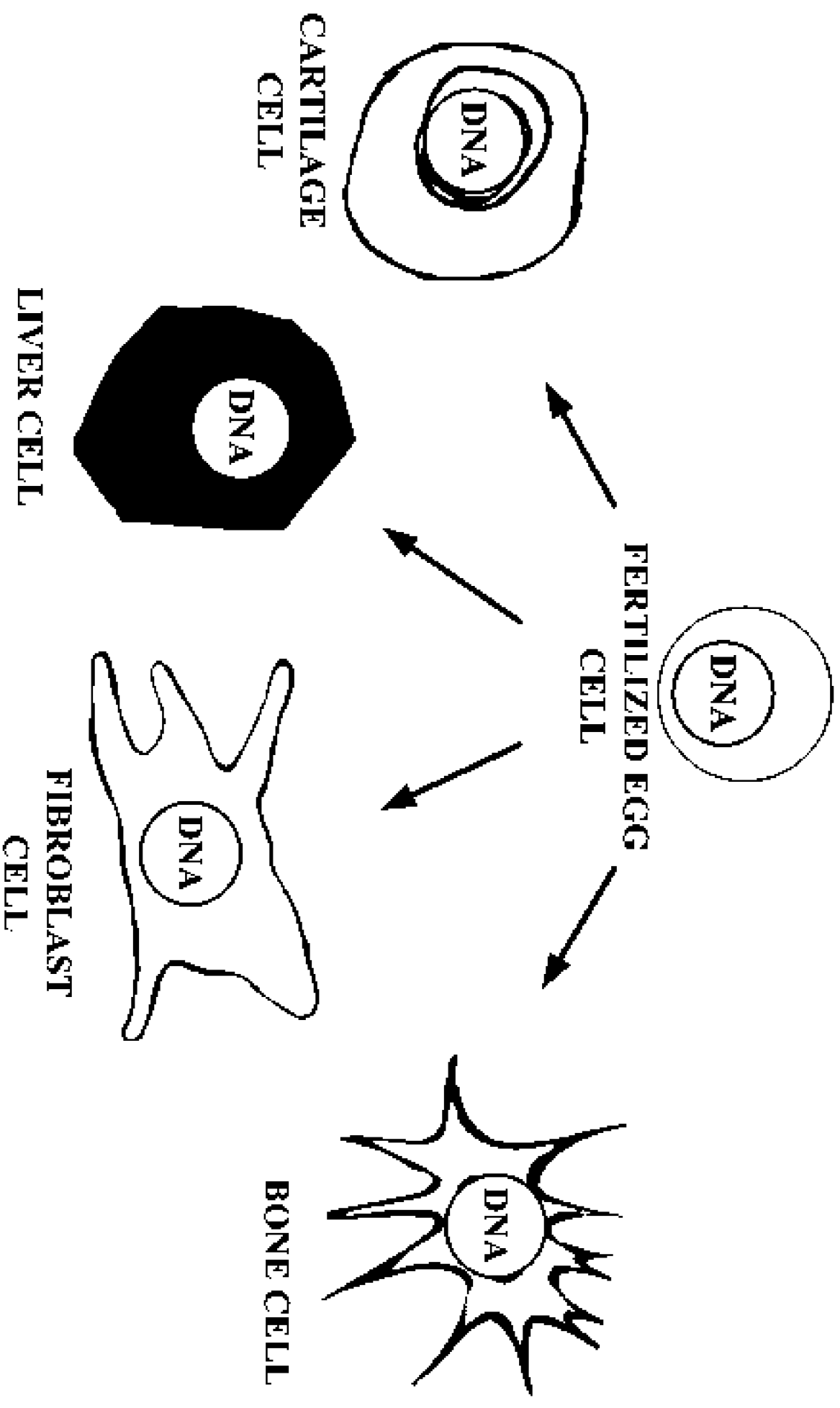


FIG. 1



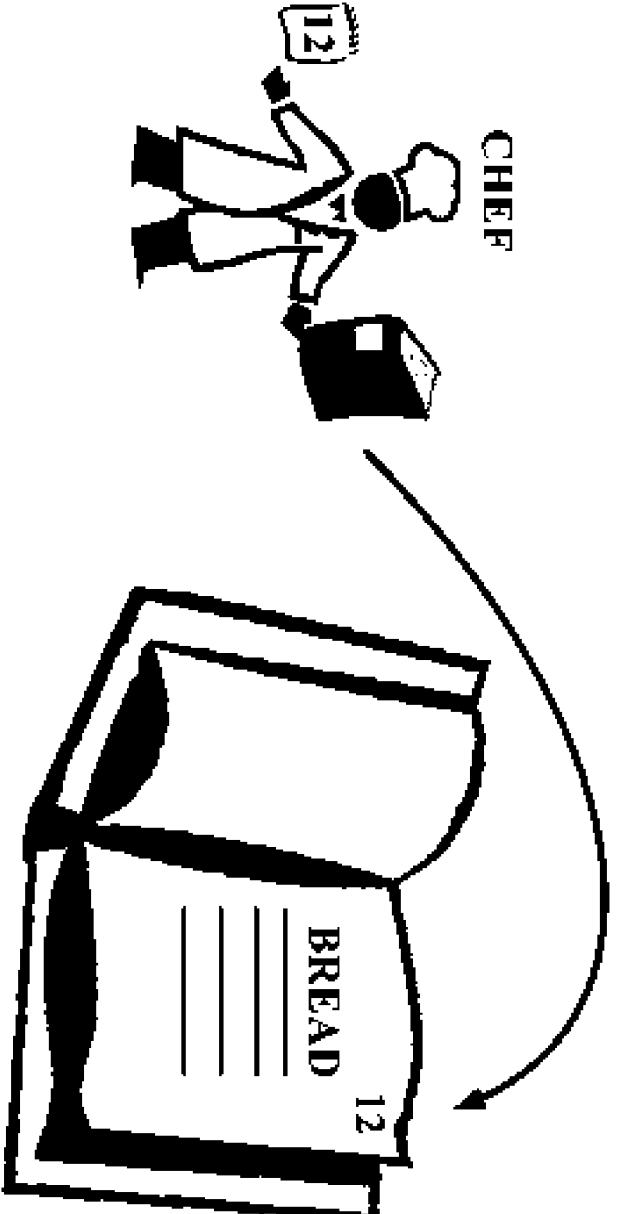


FIG. 2A

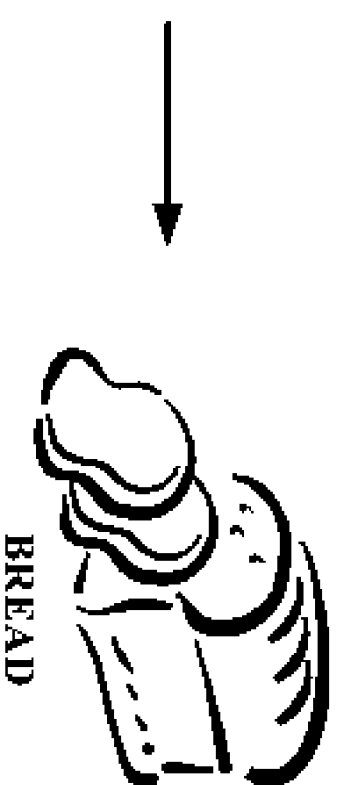


FIG. 2B

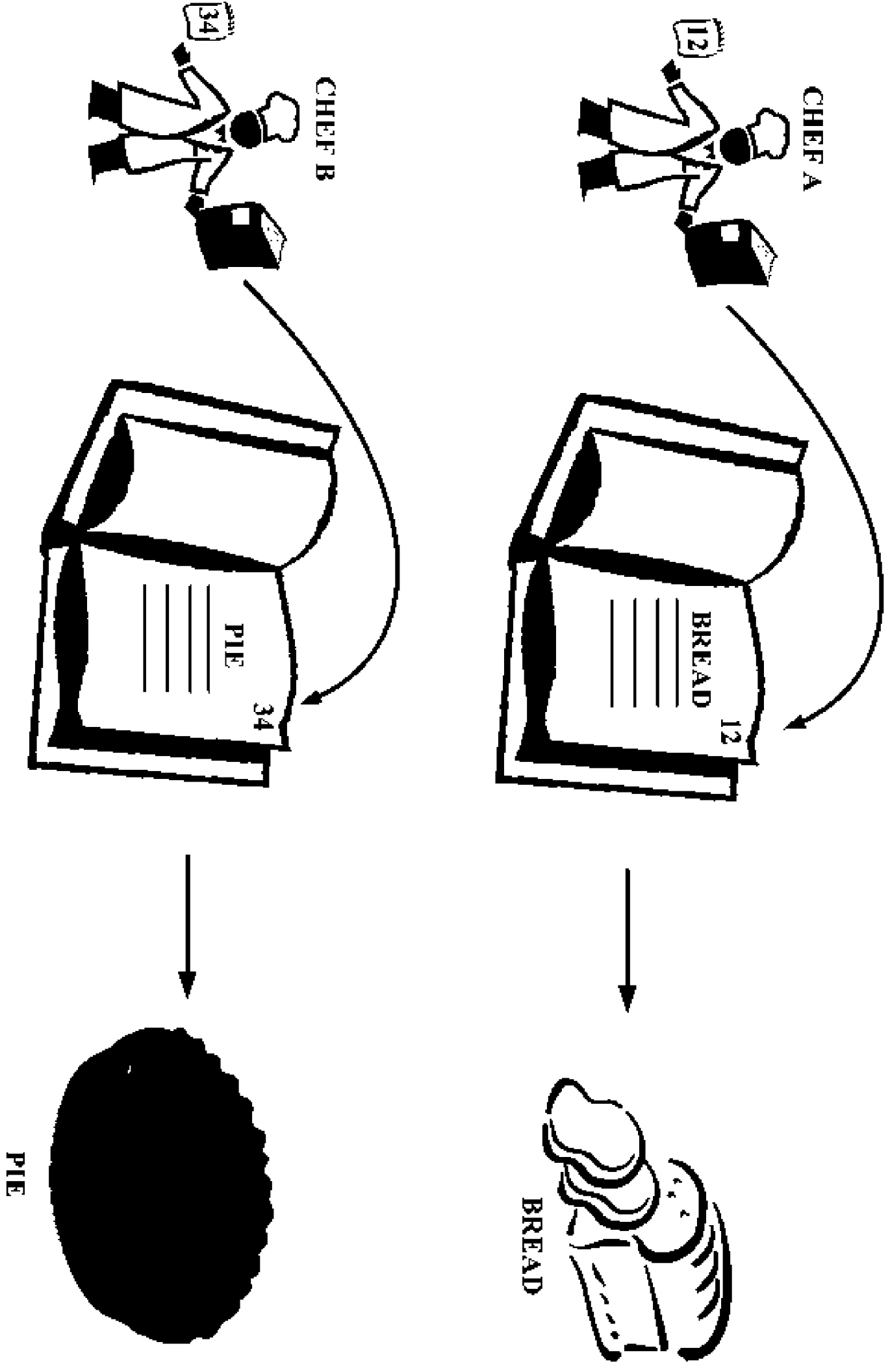


FIG. 3

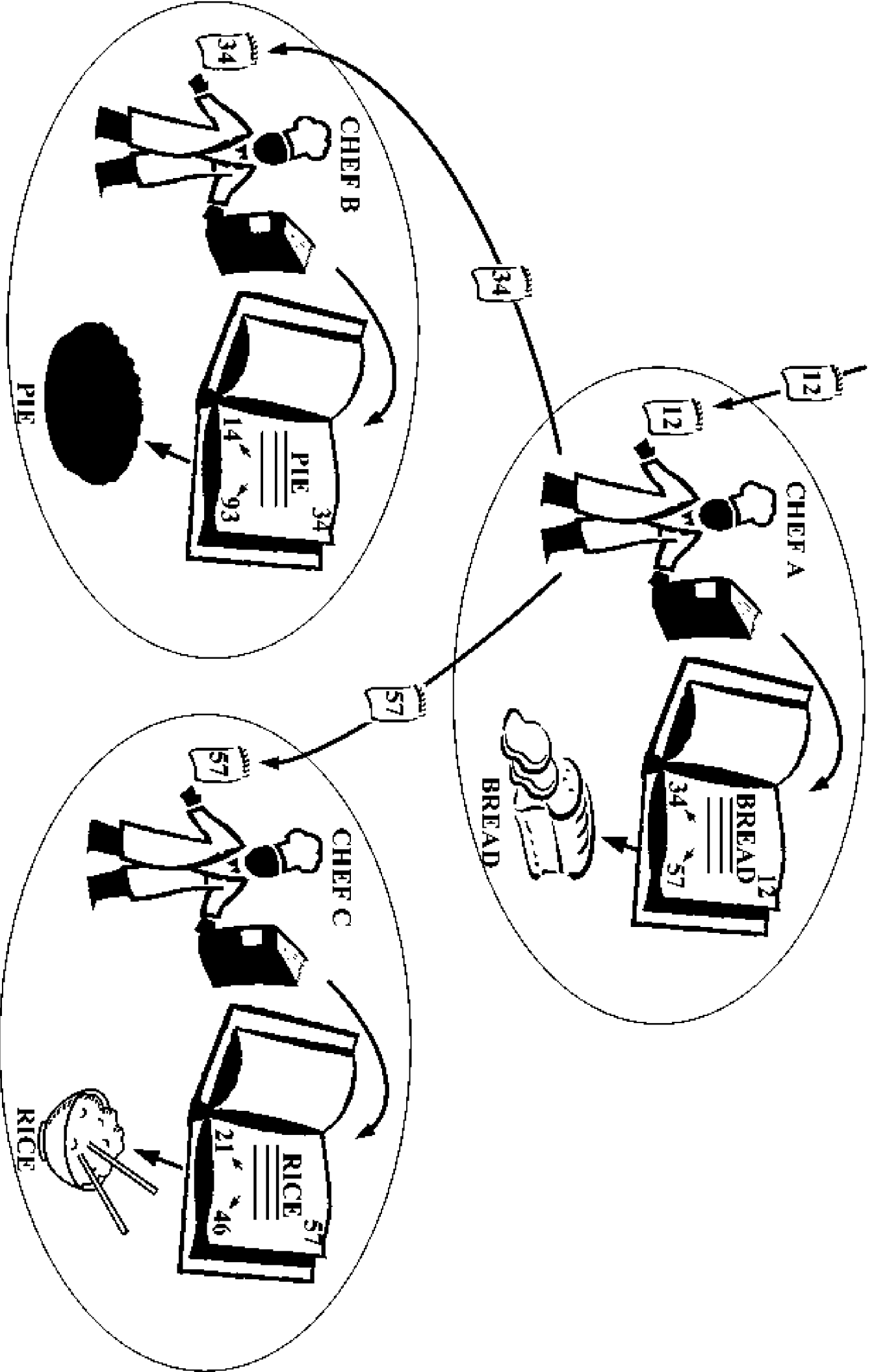
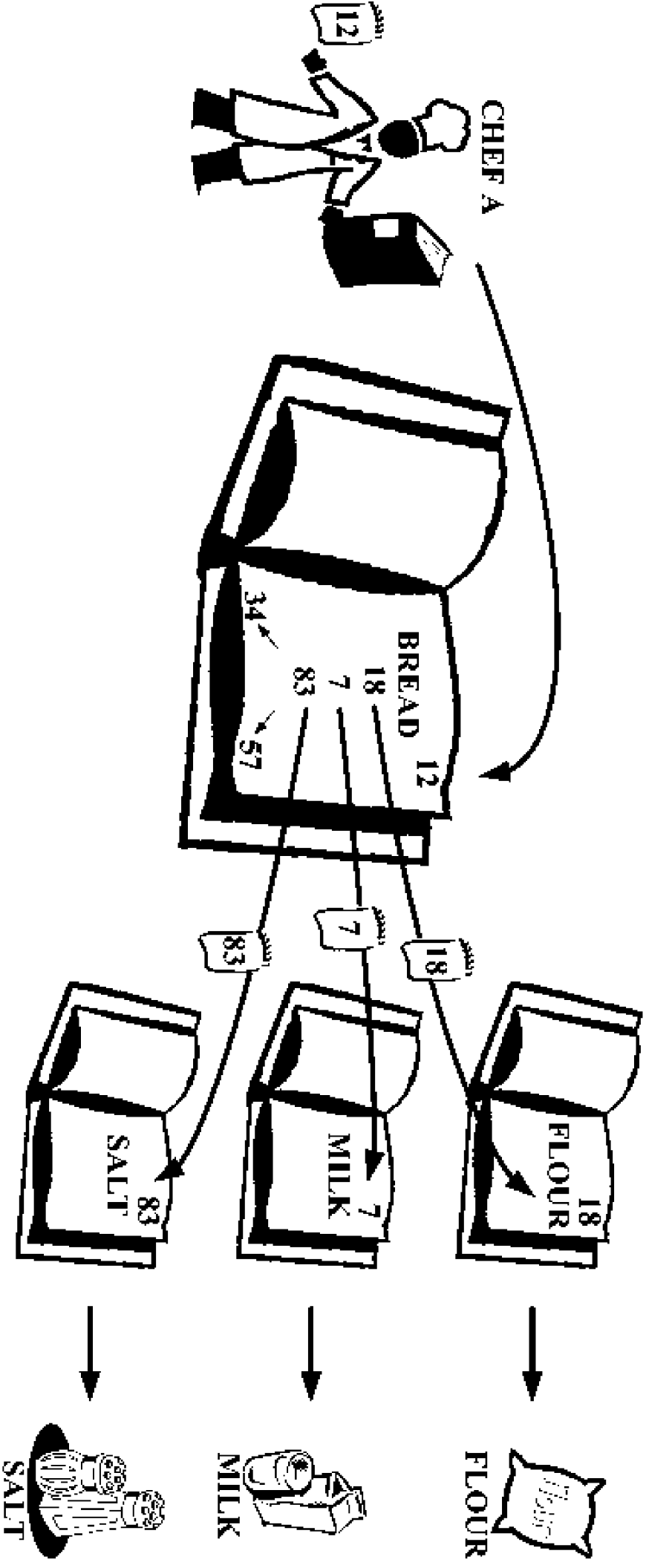


FIG. 4



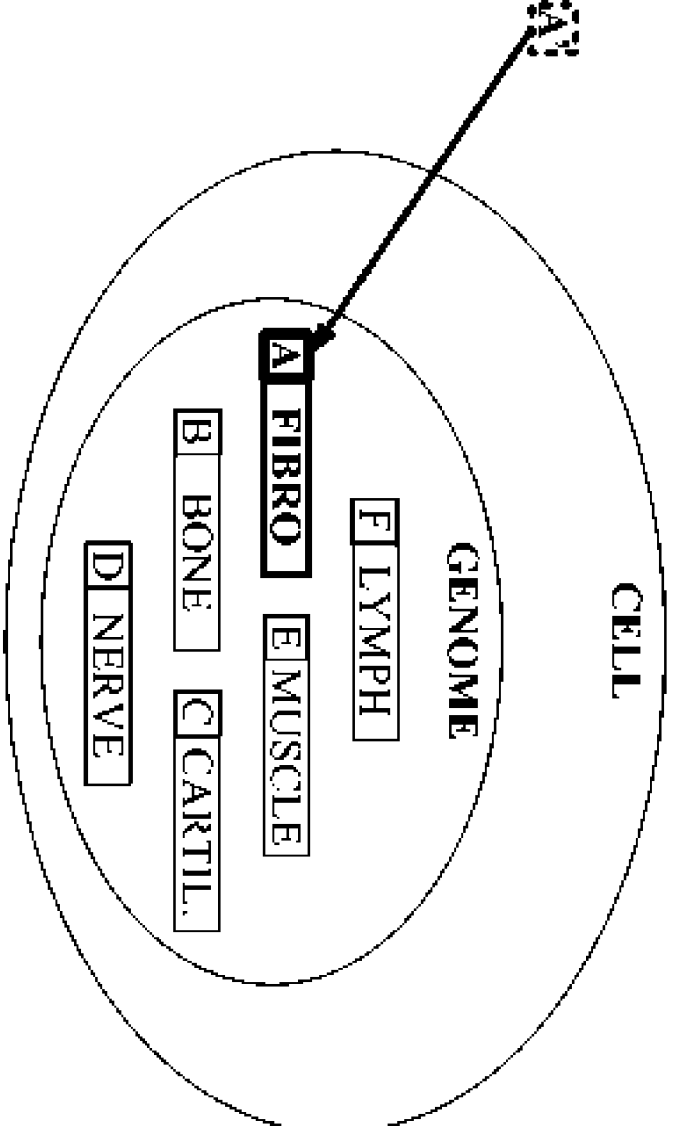


FIG. 5A

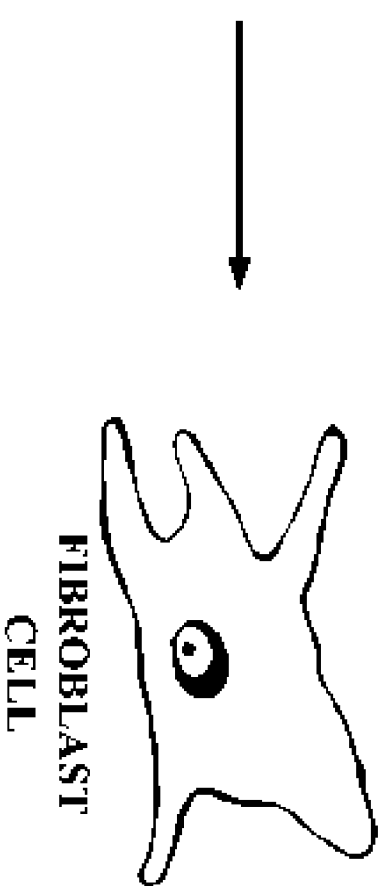


FIG. 5B

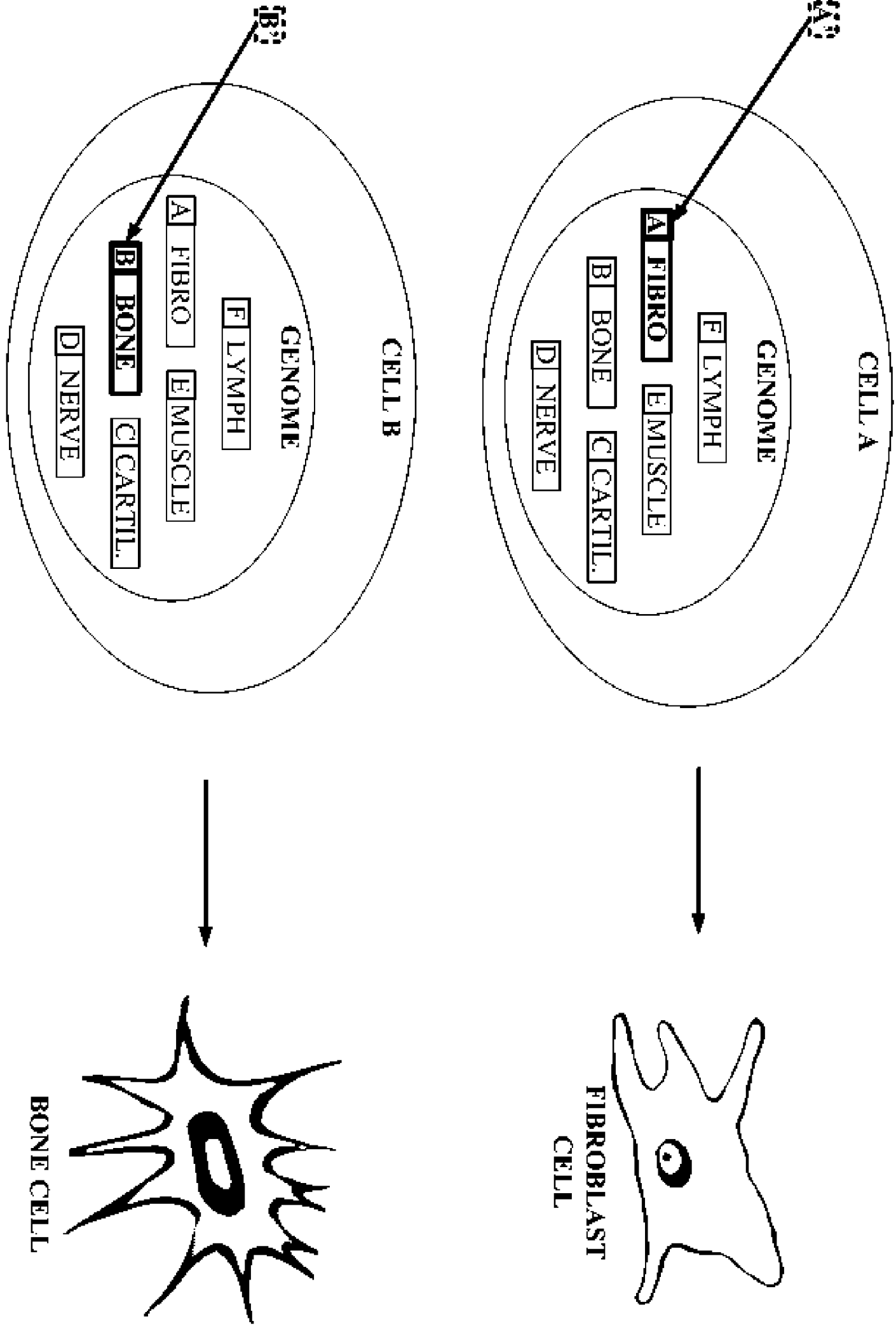


FIG. 6

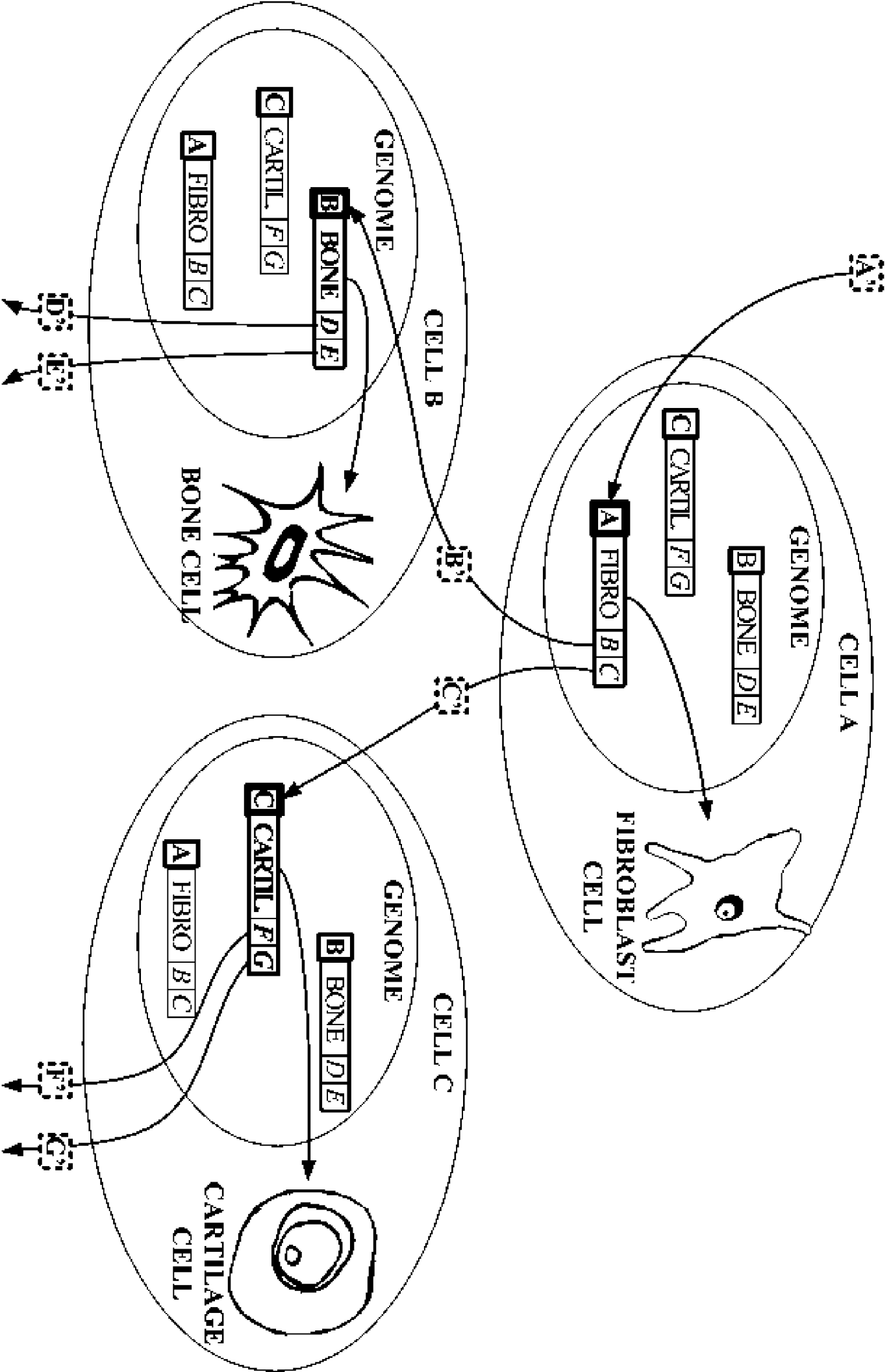


FIG. 7

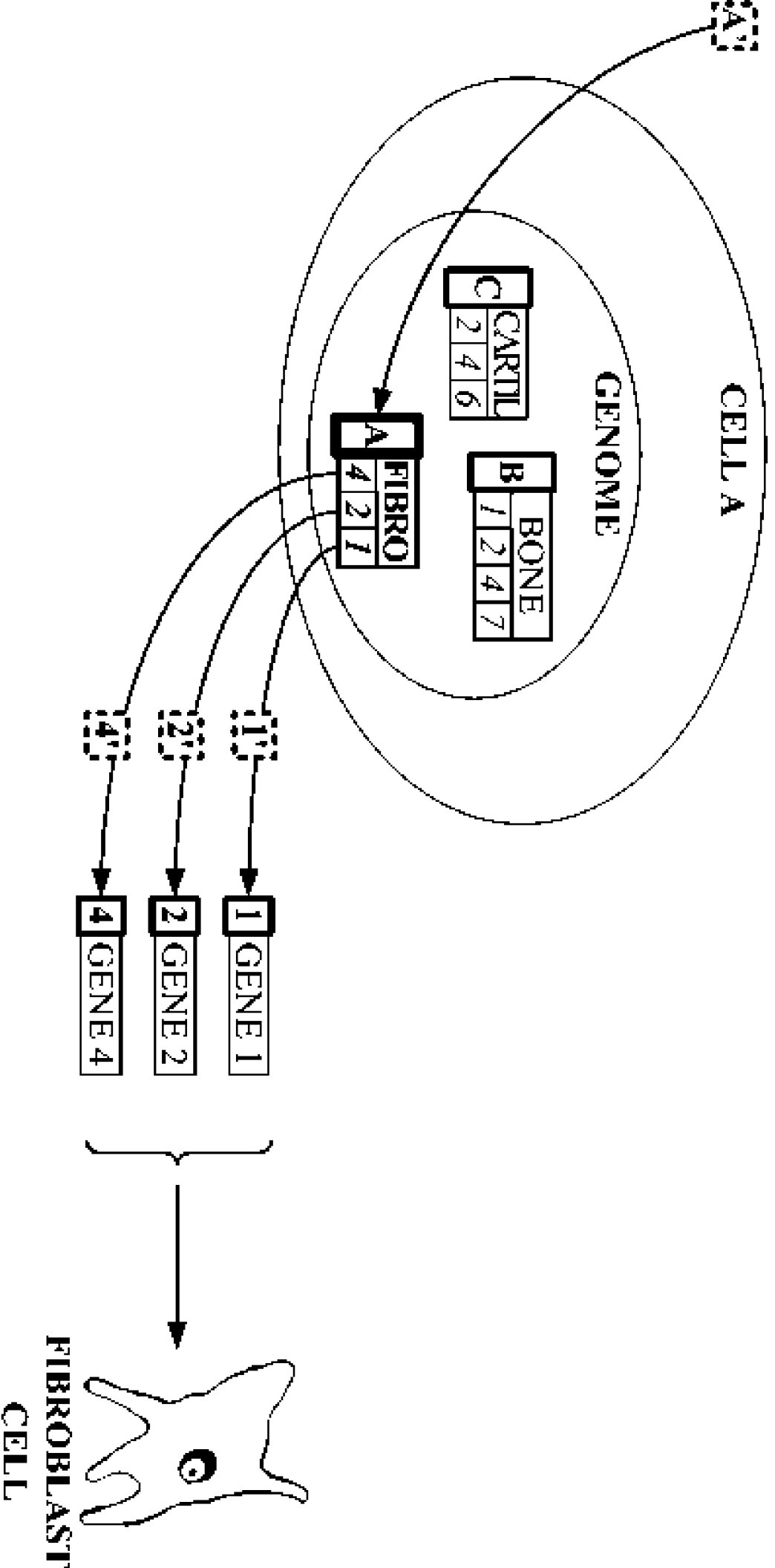


FIG. 8

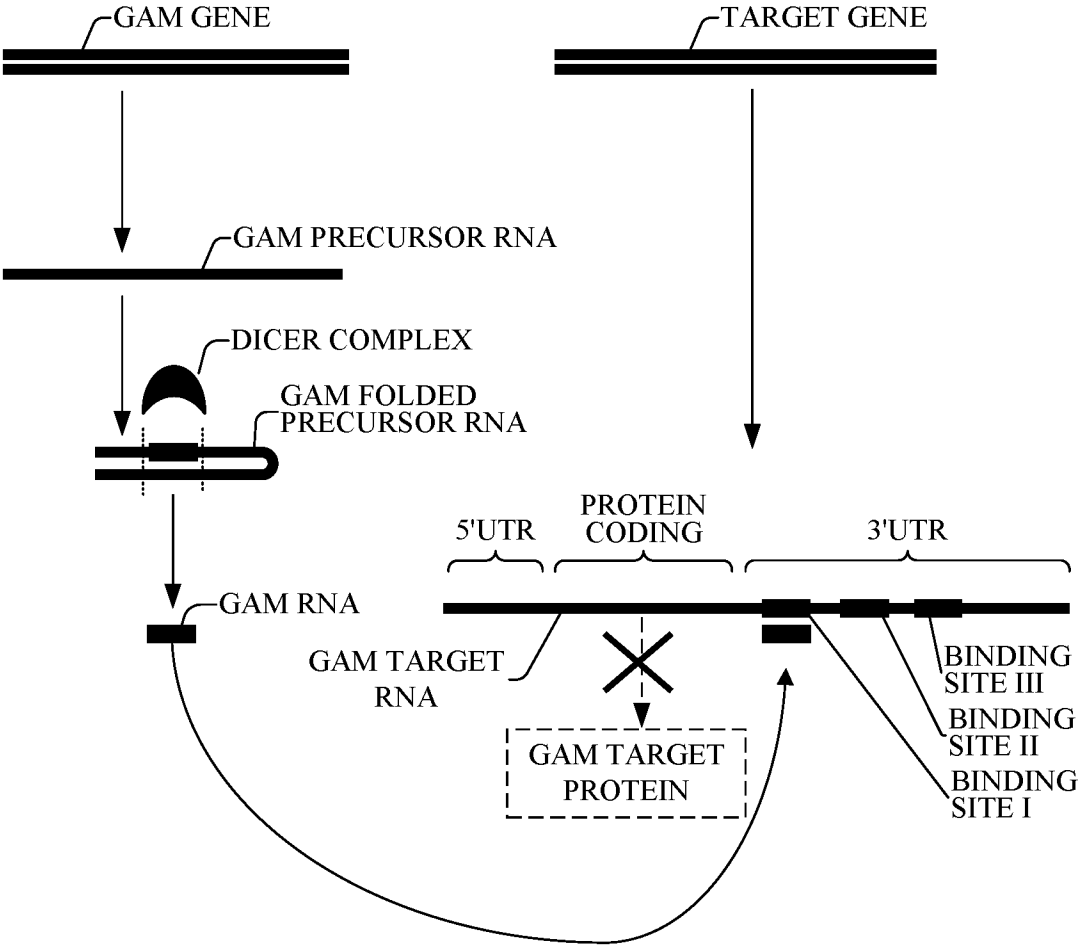


FIG. 9

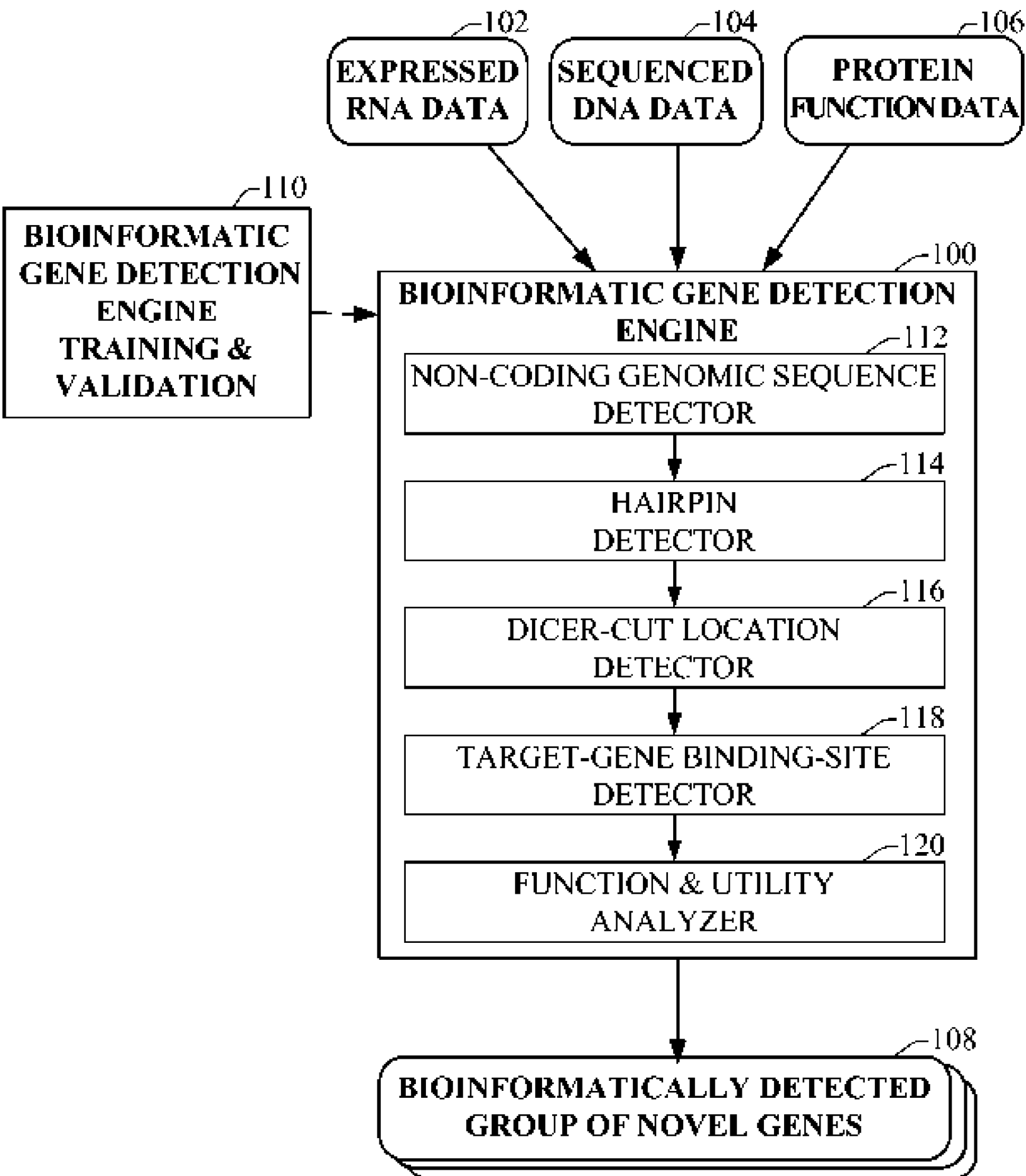


FIG. 10

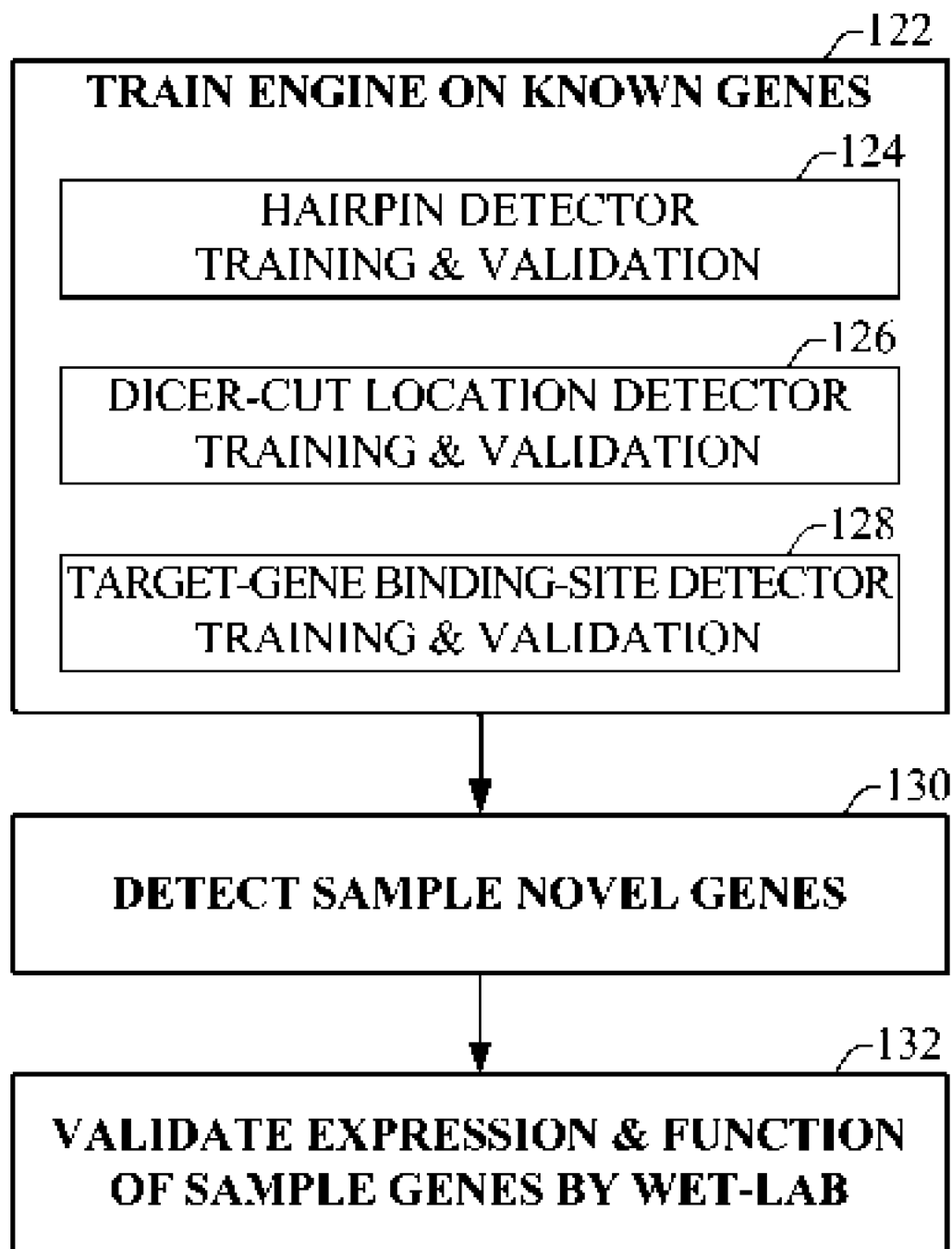


FIG. 11A

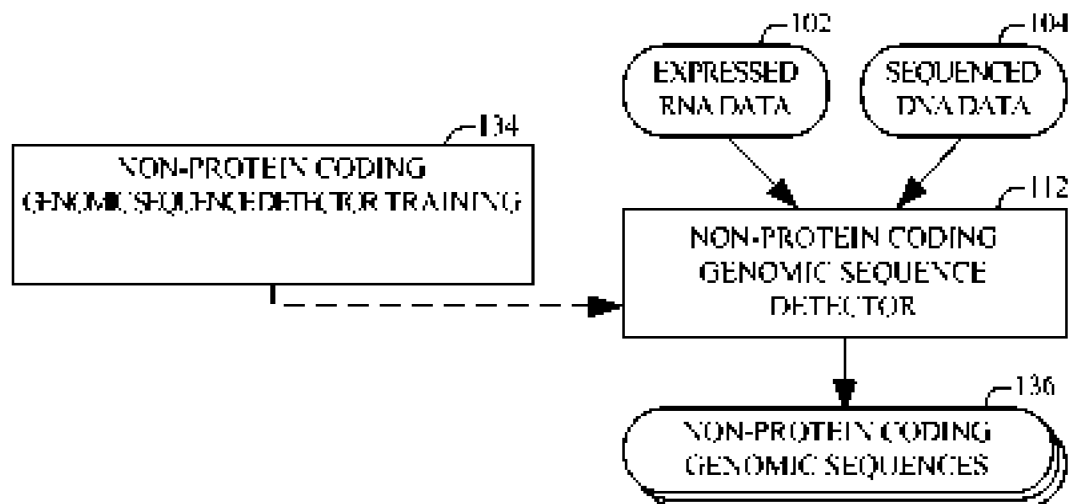


FIG. 11B

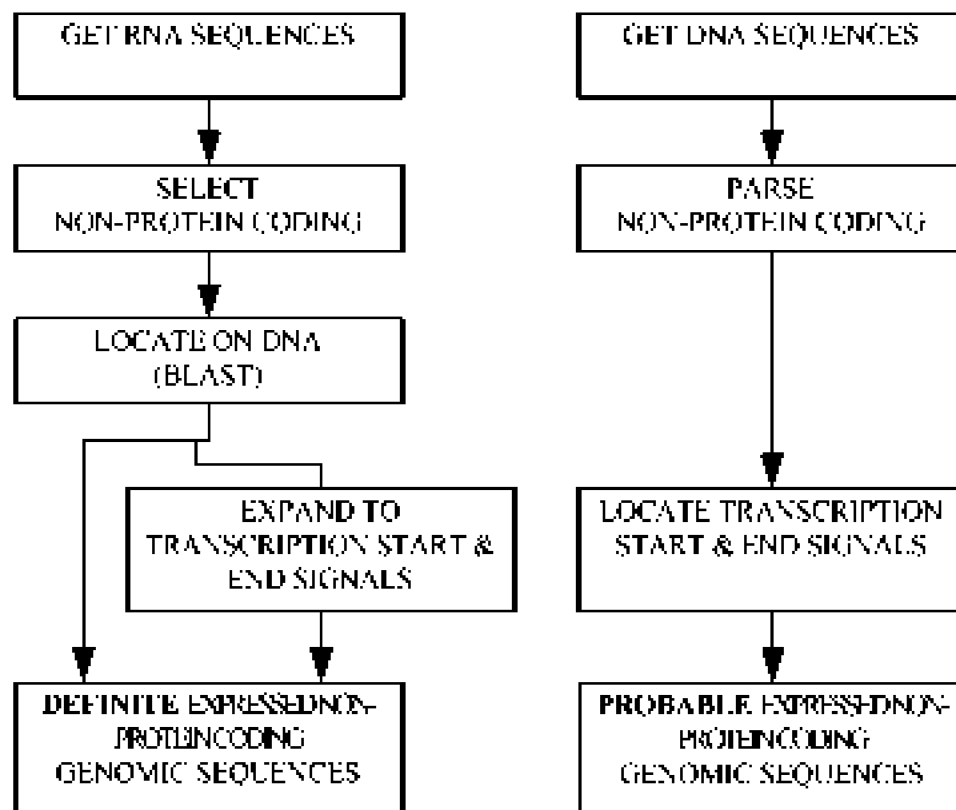


FIG. 12A

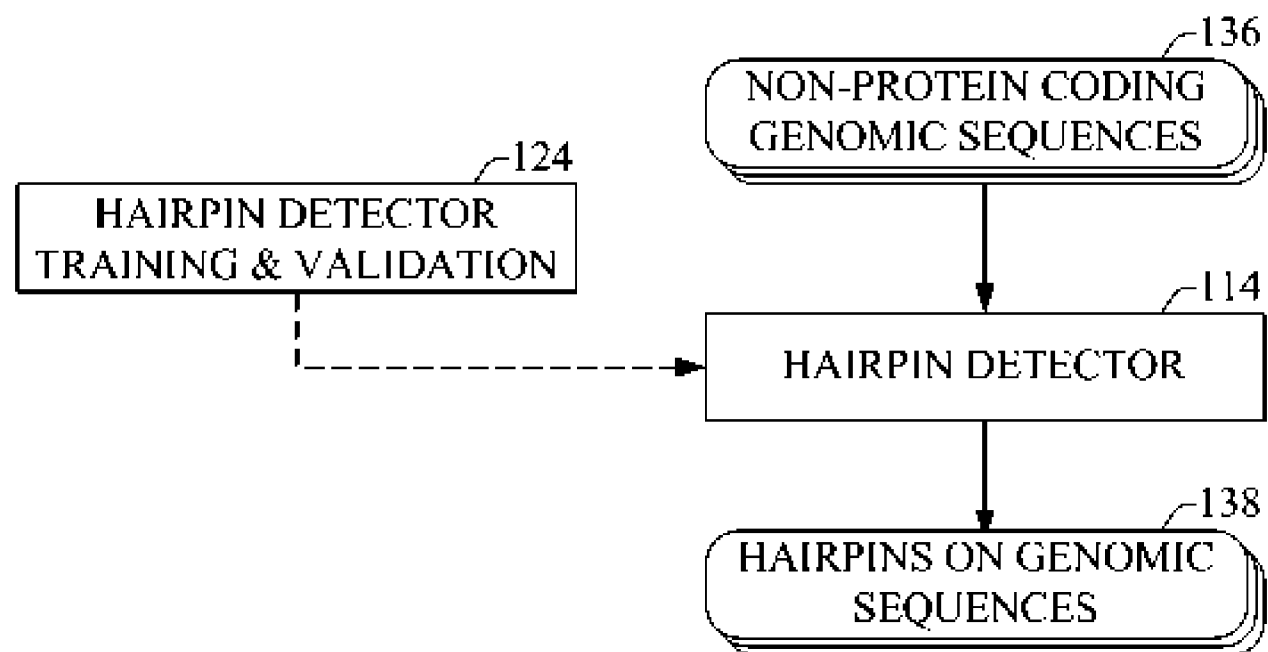


FIG. 12B

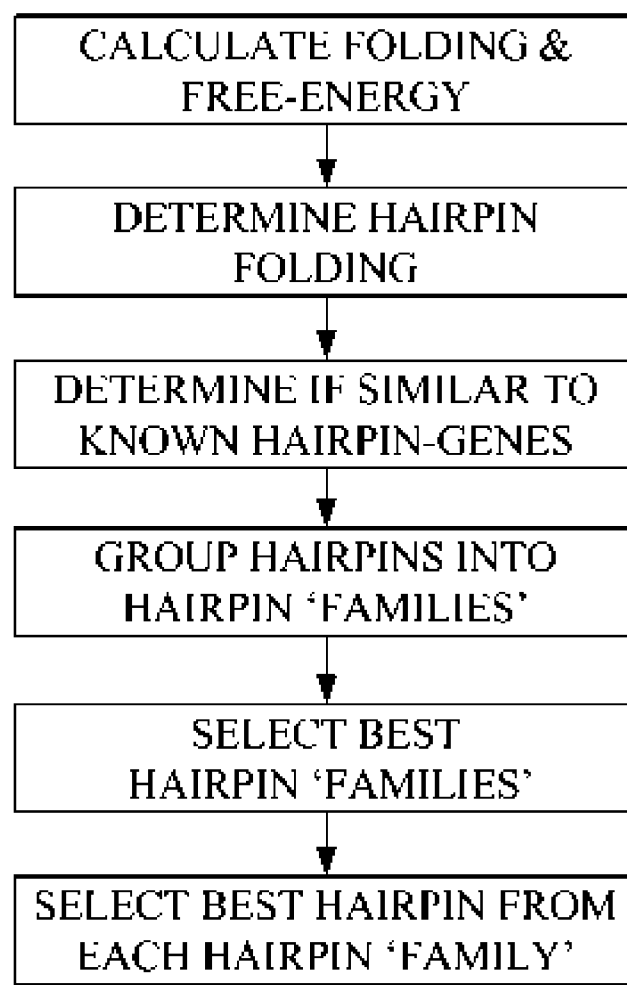


FIG. 13A

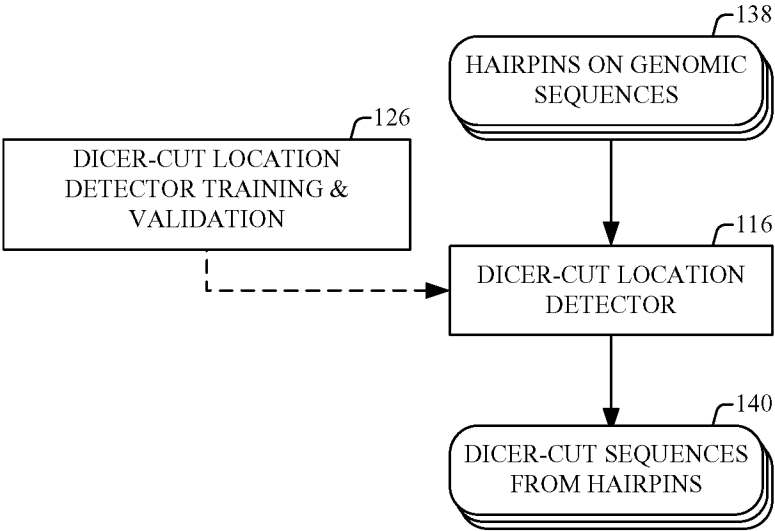


FIG. 13B

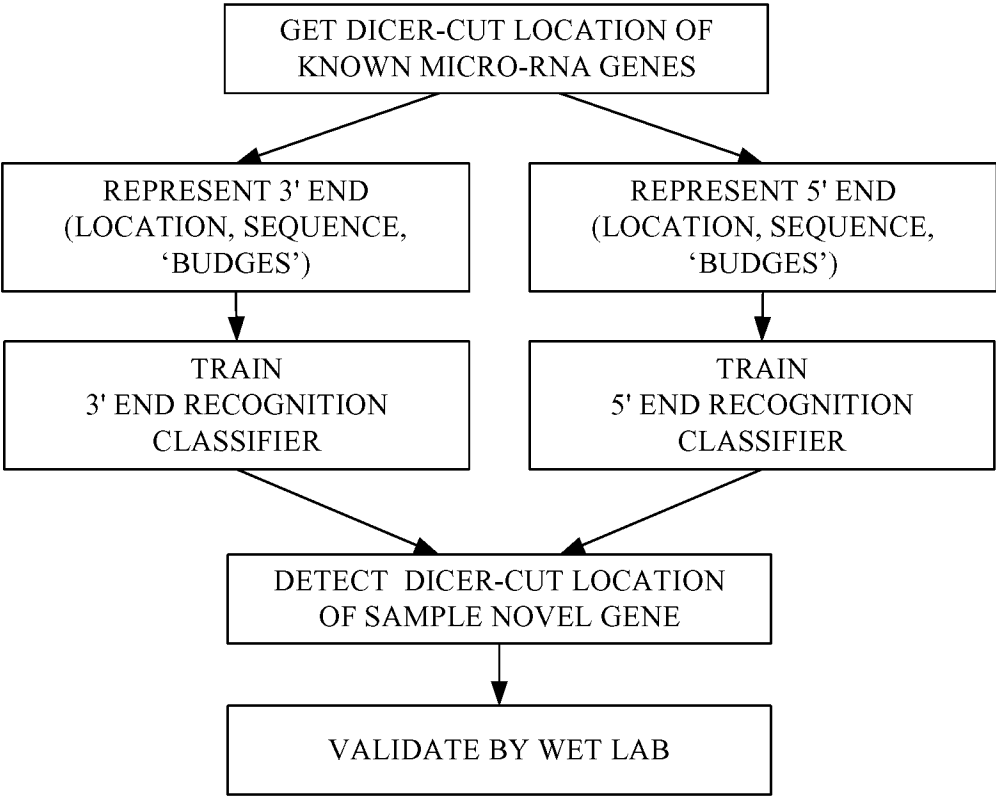


FIG. 13C

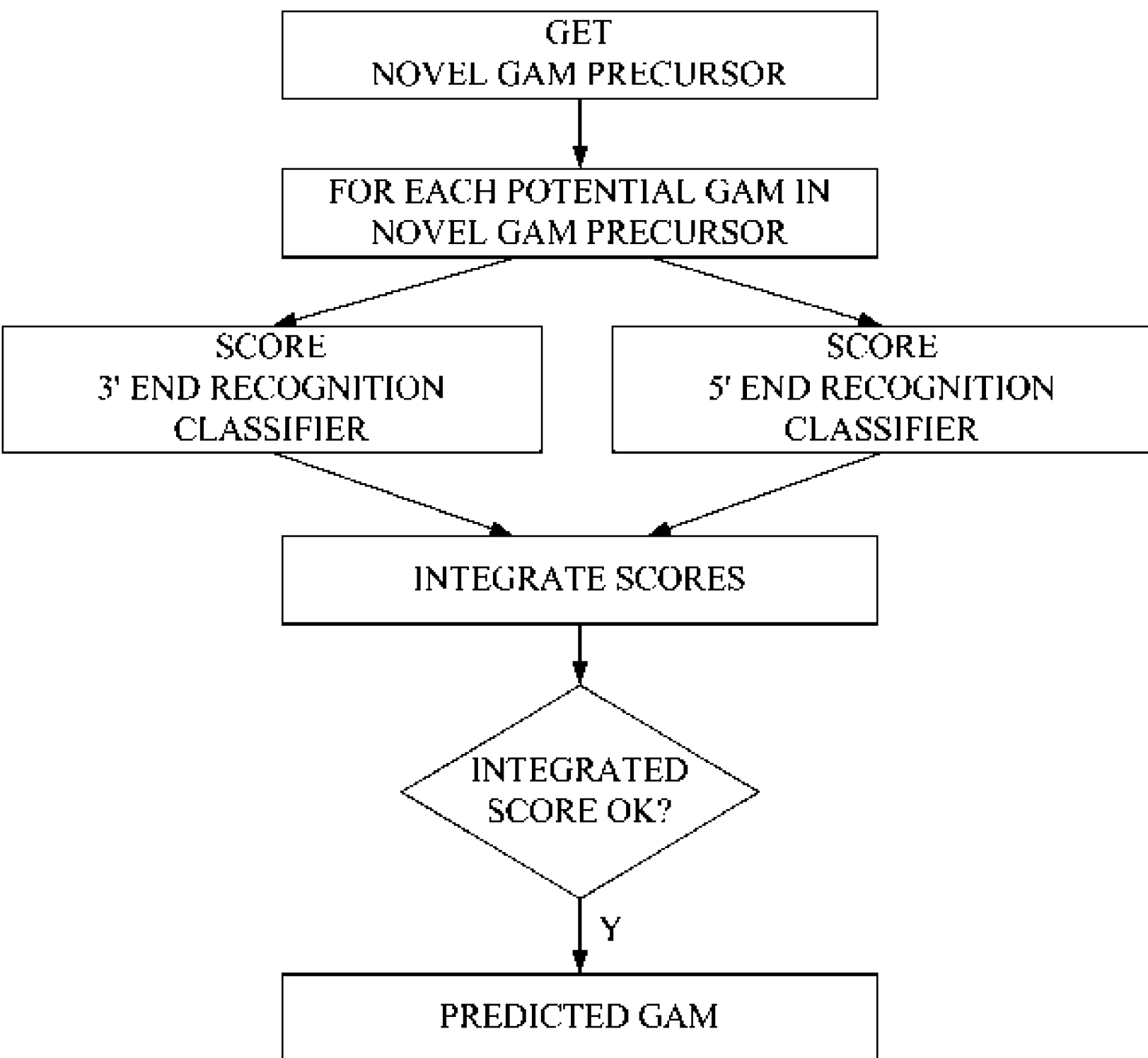


FIG. 14A

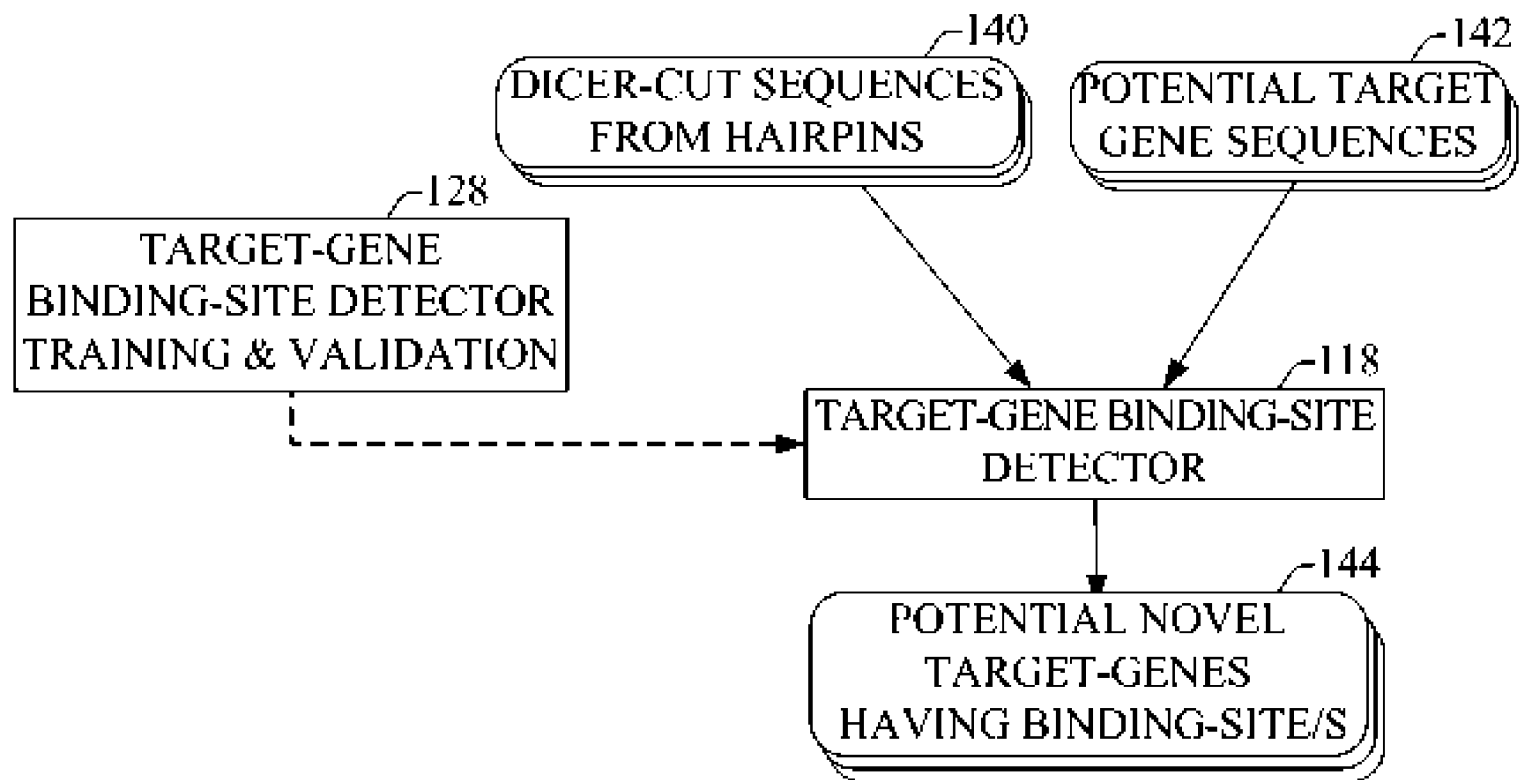


FIG. 14B

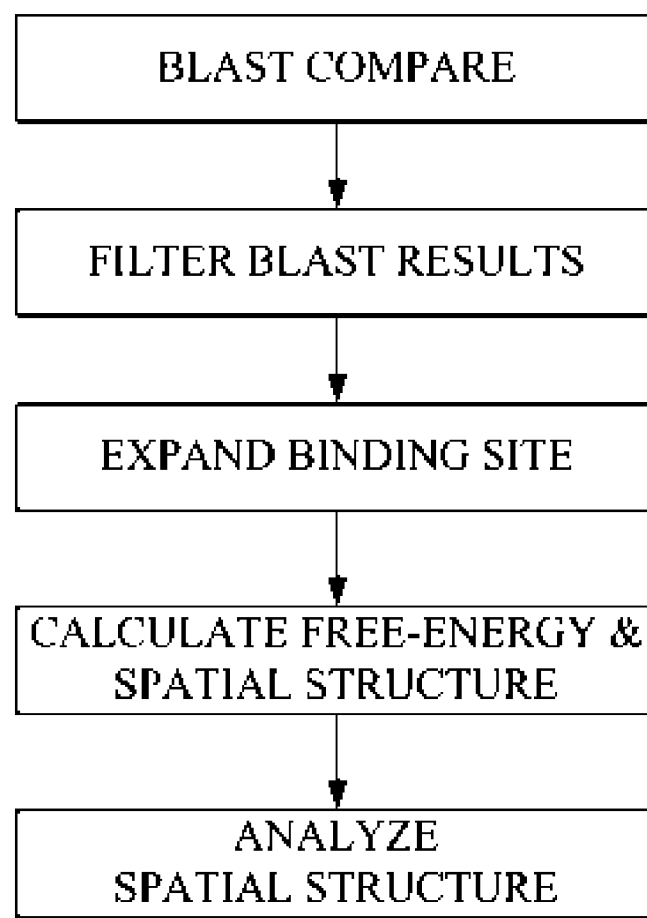


FIG. 15

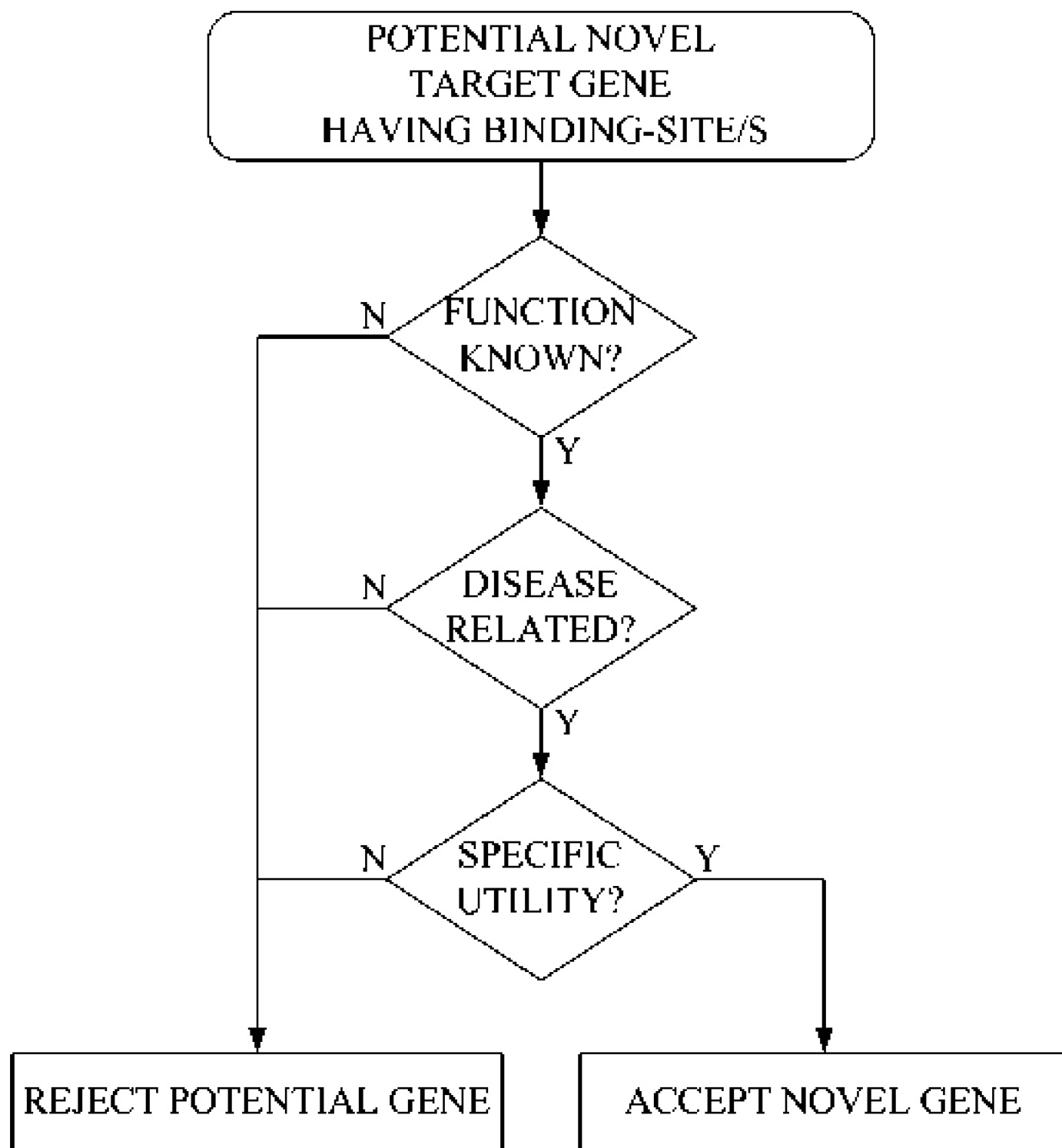


FIG. 16

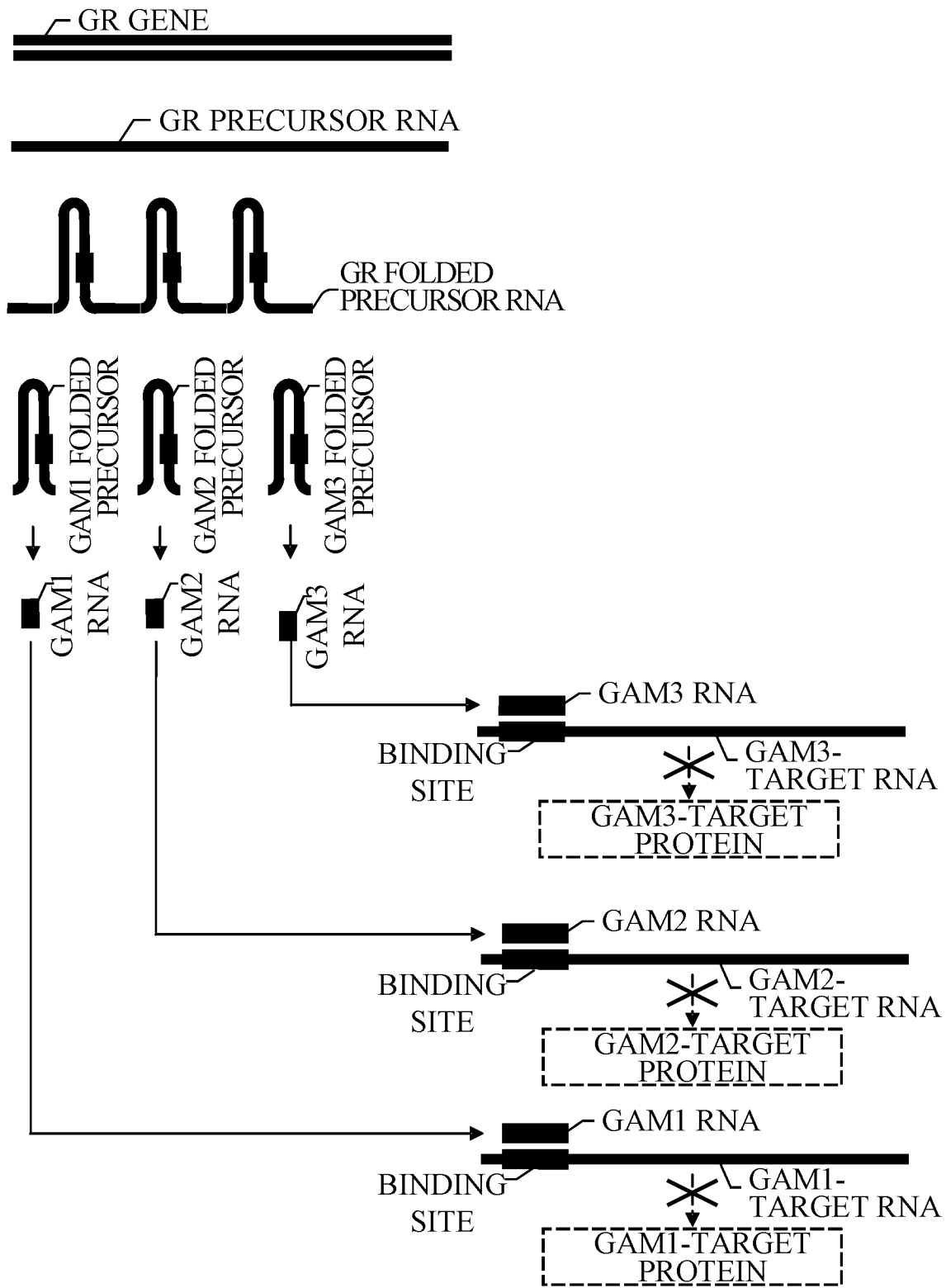


FIG. 17

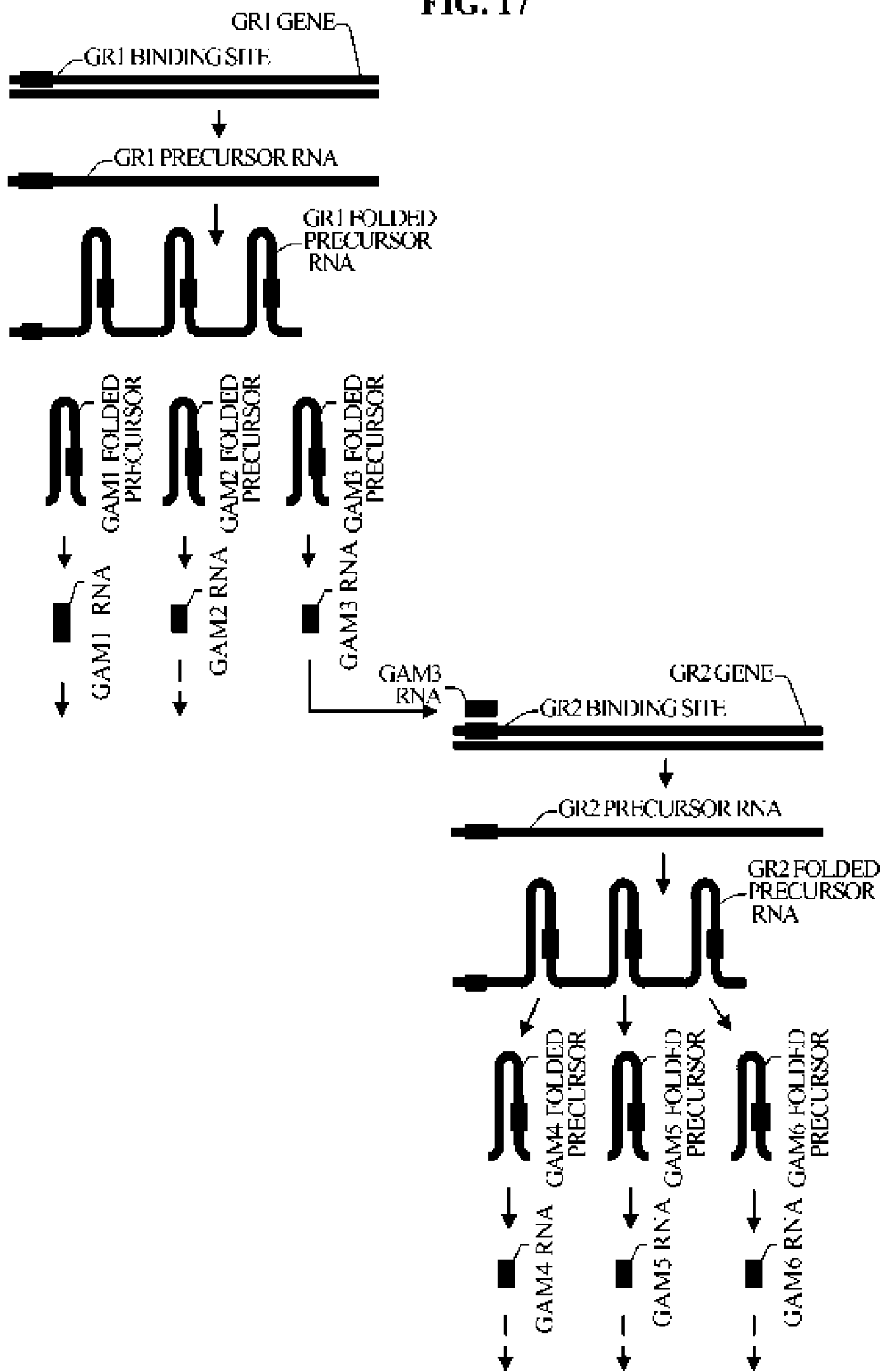


FIG. 18

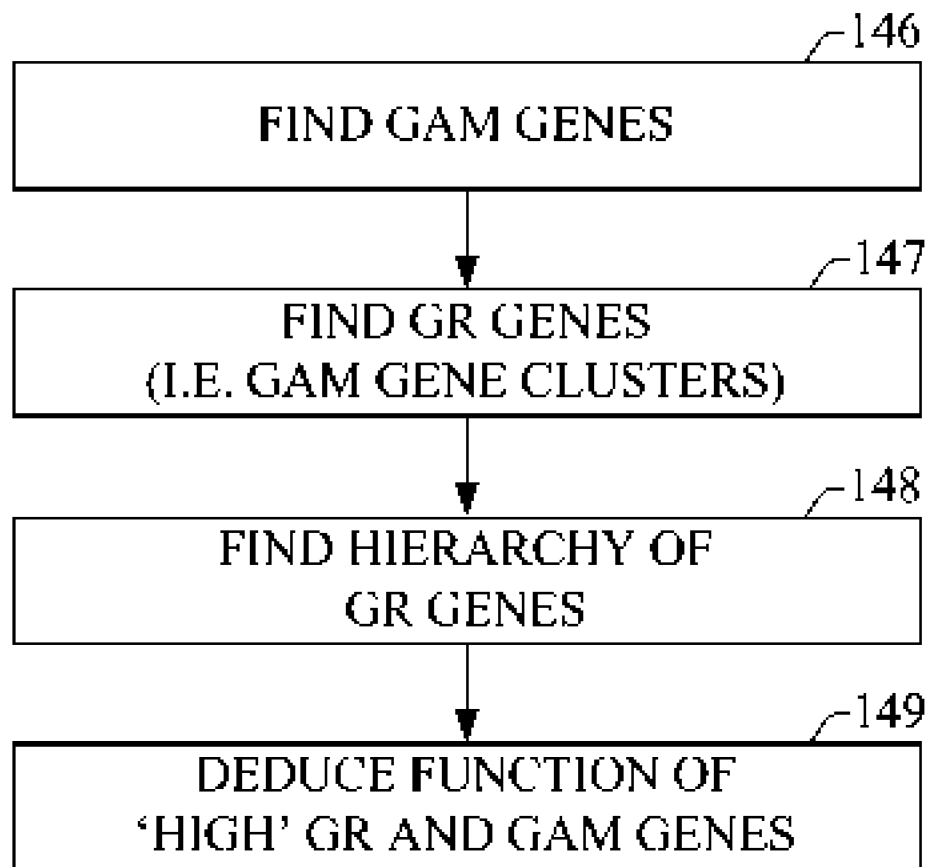


FIG. 19

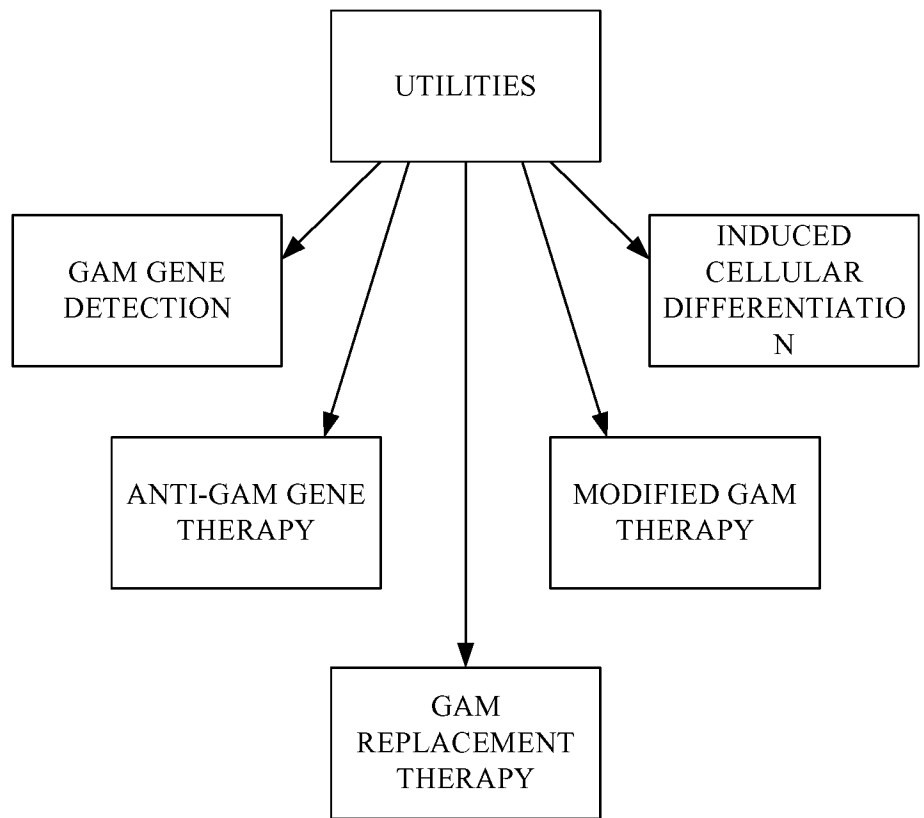


FIG. 20A

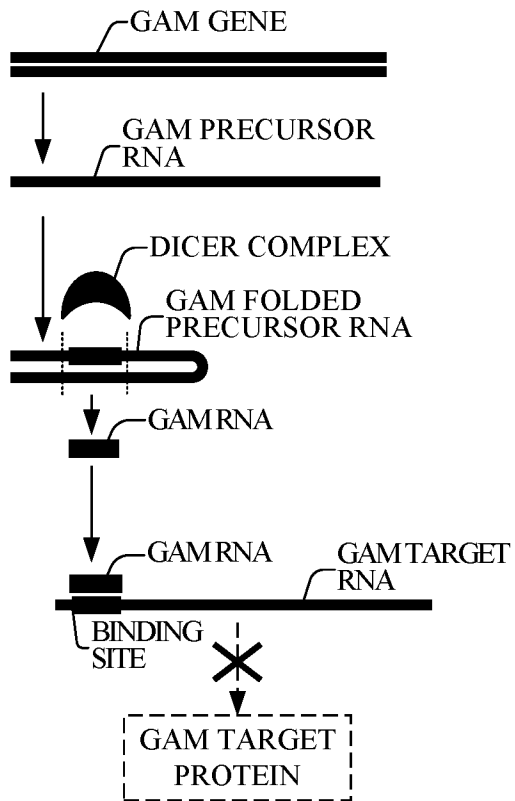


FIG. 20B

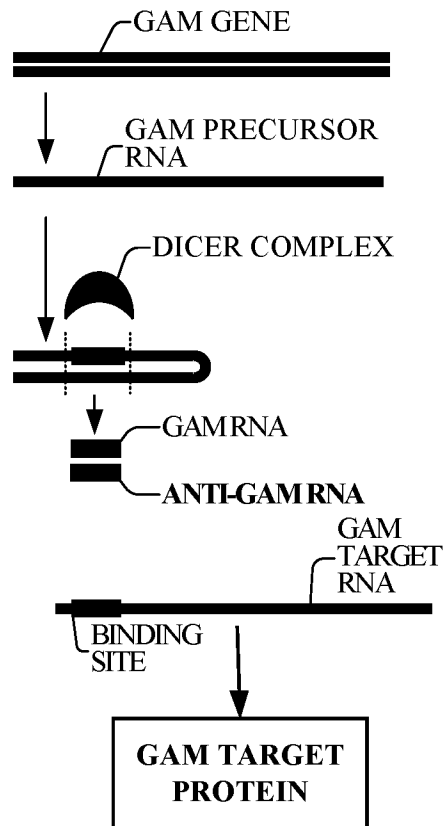


FIG. 21

Detection Accuracy Group	Number of Published MIRs	Lab Validation			Novel GAMs	Hairpins in RNA Database	
		Sent	Positive	% success		Number	Expected
A	82	10	5	50%	562	564	282
B	146	91	32	35%	526	813	285
C	38	30	9	30%	625	2080	624
D	78	16	4	25%	3034	11512	2878
Overall	344	147	50	34%	4747	14969	4069

FIG. 22

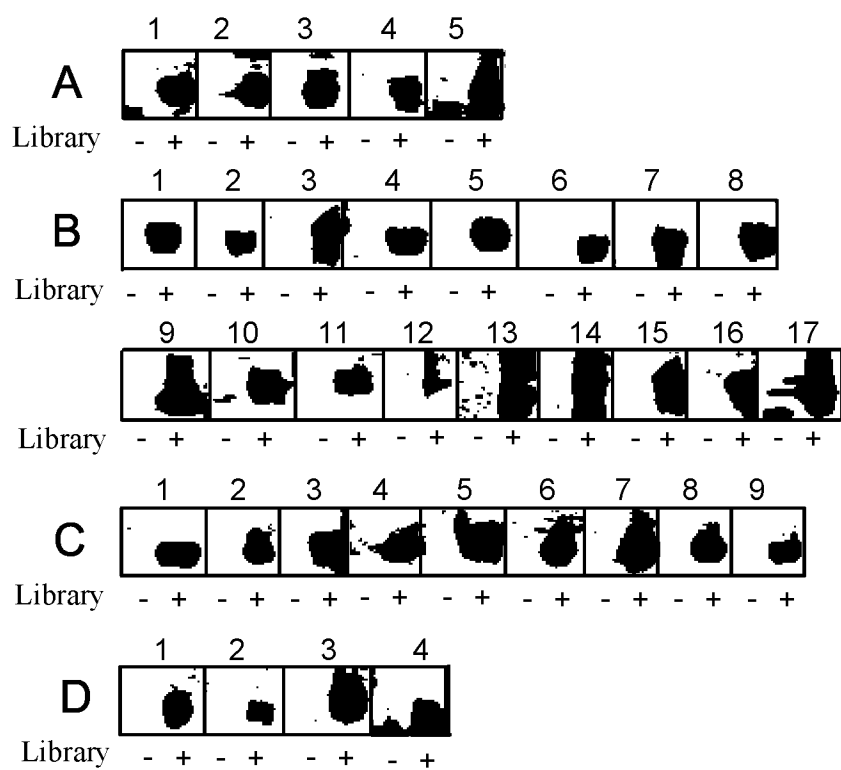


FIG. 23A

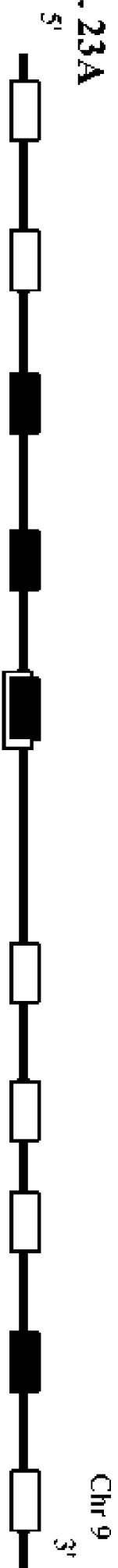


FIG. 23B

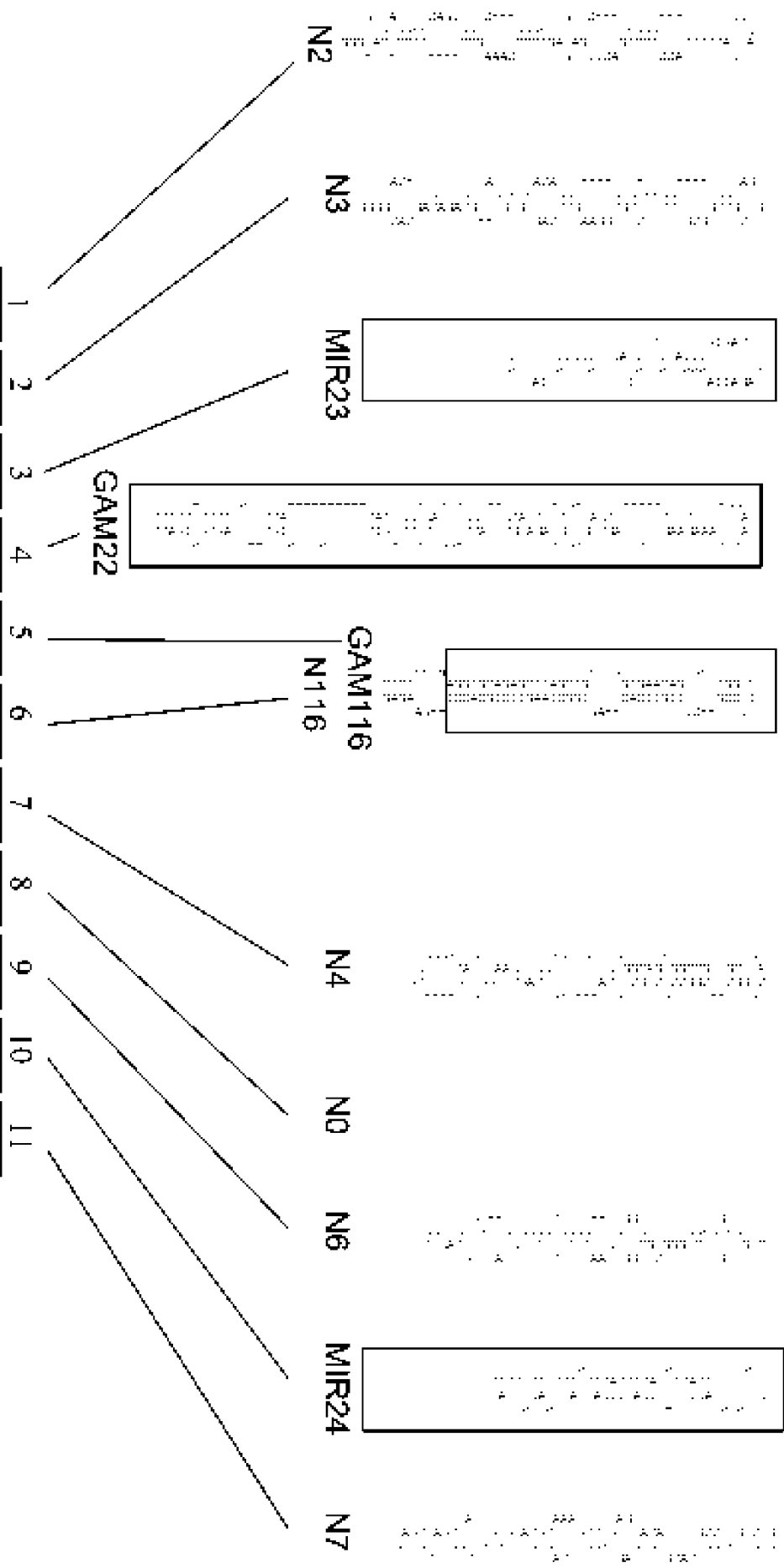
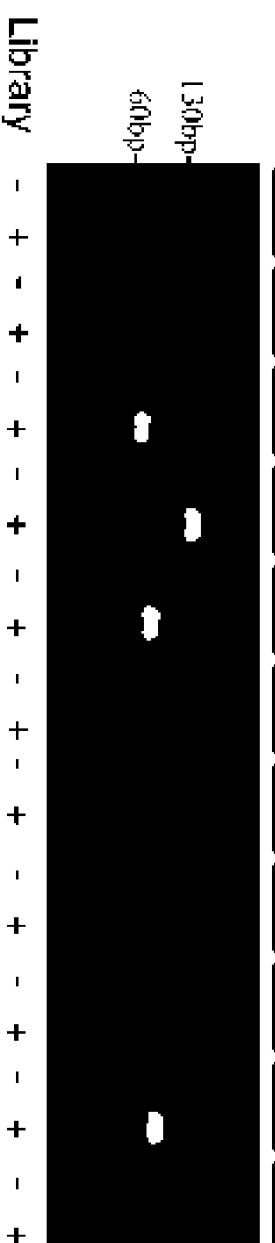


FIG. 23C



EST72223 (705 nt.)



EST72223 sequence:

CCCTTATTAGAGGATTCTGCTCATGCCAGG**GTGAGGTTAGTAAGTTGTATTG**
TTGTGGGGTAGGGATATTAGGCCCAATTAGAAGATAACTATACAAC **MIR98**
TACTACTTTCCCTGGTGTGTGGCATATTCACACTTAGTCTTAGCAGTGTTGCC
TCCATCAGACAAAGTTGTAGATGTTCTTGGATAATTTGGACTGGAAGAAAAA
GACATGGAAGGGGACAGATGGTGTGTTAGGGTGAAGGCAGATGTCATTATAAAGT
GACTTGTCTTTTATTAAATTGGAGCATATAATTATTTTACCTTTGGGCATGAAC
ATTTTGCTATTCTTCAACTGTGTAATGATTGCATTTTATTAGTAATAGAACAGGA
ATGTGTGCAAGGGAATGGAAGCATACTTTAAGAATTTTGGCGCAGGCGCGGT
GGTTCATGCCGTGTAATCCCAAGCATTTTTGGGAGGCCGAGGCGGGTGGATCAC
CTGAGGTCAGGAGTTCGAGACCAACCTGGCCAACACGGCGAAACCCCGCCTC
TACTCAAATACAAAATTAGCCAGGCTTGGTGACACTCGCCTGTGTGCCAGC
TACTCAGGAGGCT**GAGGCAGGAGCAATTGCTTGAACCCAGGAAGTGGAG**
GCTTCAGTGAGCTGAGAACAAGCACTGCACCTCAGTCCTGGGCAAC **GAM25**
AGAGCAAGACTCTGTCTCAGGAAAAAAAAAG

FIG. 24B

